

**CITY OF WOOSTER
 QUINBY AVENUE TRAFFIC SIGNAL REPLACEMENTS
 BID TABULATIONS
 BID DATE: NOVEMBER 7, 2023**

ENGINEER'S ESTIMATE					BIDDER NAME :	Perram Electric, Inc		Cornerstone Electric, Inc		The Ruhlman Company		The Shelly Company		
ITEM	ODOT ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1A	608	4" CONCRETE WALK, AS PER PLAN	300	SQ FT	\$ 20.00	\$ 6,000.00	\$ 18.00	\$ 5,400.00	\$ 15.00	\$ 4,500.00	\$ 50.00	\$ 15,000.00	\$ 20.00	\$ 6,000.00
1B	608	CURB RAMP, AS PER PLAN	1,655	SQ FT	\$ 30.00	\$ 49,650.00	\$ 18.00	\$ 29,790.00	\$ 20.00	\$ 33,100.00	\$ 24.00	\$ 39,720.00	\$ 20.00	\$ 33,100.00
2A	625	CONDUIT, 2", 725.04	48	FT	\$ 17.00	\$ 816.00	\$ 21.60	\$ 1,036.80	\$ 25.00	\$ 1,200.00	\$ 30.00	\$ 1,440.00	\$ 18.50	\$ 888.00
2B	625	CONDUIT, 3", 725.04	344	FT	\$ 24.00	\$ 8,256.00	\$ 36.95	\$ 12,710.80	\$ 35.00	\$ 12,040.00	\$ 40.00	\$ 13,760.00	\$ 22.00	\$ 7,568.00
2C	625	CONDUIT, JACKED OR DRILLED, 3", 725.04	826	FT	\$ 40.00	\$ 33,040.00	\$ 61.85	\$ 51,088.10	\$ 65.00	\$ 53,690.00	\$ 65.00	\$ 53,690.00	\$ 55.00	\$ 45,430.00
2D	625	TRENCH	344	FT	\$ 7.00	\$ 2,408.00	\$ 12.55	\$ 4,317.20	\$ 15.00	\$ 5,160.00	\$ 10.00	\$ 3,440.00	\$ 12.00	\$ 4,128.00
2E	625	PULL BOX, 725.06, SIZE 1.5 (11"x18"x18")	7	EACH	\$ 700.00	\$ 4,900.00	\$ 1,010.00	\$ 7,070.00	\$ 750.00	\$ 5,250.00	\$ 1,030.00	\$ 7,210.00	\$ 680.00	\$ 4,760.00
2F	625	PULL BOX, 725.06 SIZE 4 (13"x24"x18")	5	EACH	\$ 900.00	\$ 4,500.00	\$ 1,250.00	\$ 6,250.00	\$ 1,000.00	\$ 5,000.00	\$ 1,224.00	\$ 6,120.00	\$ 790.00	\$ 3,950.00
2G	625	GROUND ROD, AS PER PLAN	15	EACH	\$ 145.00	\$ 2,175.00	\$ 310.00	\$ 4,650.00	\$ 250.00	\$ 3,750.00	\$ 261.00	\$ 3,915.00	\$ 190.00	\$ 2,850.00
3A	630	GROUND MOUNTED SUPPORT, NO. 3 POST	14	FT	\$ 17.00	\$ 238.00	\$ 16.35	\$ 228.90	\$ 20.00	\$ 280.00	\$ 50.00	\$ 700.00	\$ 35.00	\$ 490.00
3B	630	SIGN HANGER ASSEMBLY, MAST ARM	10	EACH	\$ 375.00	\$ 3,750.00	\$ 430.00	\$ 4,300.00	\$ 450.00	\$ 4,500.00	\$ 475.00	\$ 4,750.00	\$ 807.20	\$ 8,072.00
3C	630	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	4	EACH	\$ 250.00	\$ 1,000.00	\$ 130.00	\$ 520.00	\$ 150.00	\$ 600.00	\$ 225.00	\$ 900.00	\$ 62.55	\$ 250.20
3D	630	SIGN, FLAT SHEET	134.5	SQ FT	\$ 35.00	\$ 4,707.50	\$ 22.90	\$ 3,080.05	\$ 24.00	\$ 3,228.00	\$ 50.00	\$ 6,725.00	\$ 24.35	\$ 3,275.08
3E	630	REMOVAL OF POLE MOUNTED SIGN AND REERECTION	2	EACH	\$ 175.00	\$ 350.00	\$ 100.00	\$ 200.00	\$ 200.00	\$ 400.00	\$ 330.00	\$ 660.00	\$ 88.00	\$ 176.00
4A	632	VEHICULAR SIGNAL HEAD, (LED), 3 SECTION, 12" LENS, 1-WAY POLYCARBONATE, AS PER PLAN	11	EACH	\$ 700.00	\$ 7,700.00	\$ 900.00	\$ 9,900.00	\$ 850.00	\$ 9,350.00	\$ 1,020.00	\$ 11,220.00	\$ 1,150.00	\$ 12,650.00
4B	632	VEHICULAR SIGNAL HEAD, (LED), 3 SECTION, 12" LENS, 2-WAY POLYCARBONATE, AS PER PLAN	1	EACH	\$ 900.00	\$ 900.00	\$ 1,620.00	\$ 1,620.00	\$ 1,500.00	\$ 1,500.00	\$ 1,950.00	\$ 1,950.00	\$ 1,580.00	\$ 1,580.00
4C	632	VEHICULAR SIGNAL HEAD, (LED), 5 SECTION, 12" LENS, 1-WAY POLYCARBONATE, AS PER PLAN	4	EACH	\$ 975.00	\$ 3,900.00	\$ 1,500.00	\$ 6,000.00	\$ 1,600.00	\$ 6,400.00	\$ 1,780.00	\$ 7,120.00	\$ 1,545.00	\$ 6,180.00
4D	632	PEDESTRIAN SIGNAL HEAD, (LED), (COUNTDOWN), TYPE D2, AS PER PLAN	12	EACH	\$ 625.00	\$ 7,500.00	\$ 475.00	\$ 5,700.00	\$ 650.00	\$ 7,800.00	\$ 625.00	\$ 7,500.00	\$ 535.00	\$ 6,420.00
4E	632	COVERING OF VEHICULAR SIGNAL HEAD	17	EACH	\$ 30.00	\$ 510.00	\$ 10.00	\$ 170.00	\$ 35.00	\$ 595.00	\$ 34.00	\$ 578.00	\$ 10.00	\$ 170.00
4F	632	PEDESTRIAN PUSHBUTTON, AS PER PLAN	12	EACH	\$ 225.00	\$ 2,700.00	\$ 325.00	\$ 3,900.00	\$ 280.00	\$ 3,360.00	\$ 300.00	\$ 3,600.00	\$ 240.00	\$ 2,880.00
4G	632	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	365	FT	\$ 1.80	\$ 657.00	\$ 2.10	\$ 766.50	\$ 3.50	\$ 1,277.50	\$ 2.00	\$ 730.00	\$ 24.00	\$ 8,760.00
4H	632	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	2,255	FT	\$ 2.00	\$ 4,510.00	\$ 2.48	\$ 5,592.40	\$ 3.75	\$ 8,456.25	\$ 2.50	\$ 5,637.50	\$ 4.30	\$ 9,696.50
4I	632	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	1,055	FT	\$ 2.25	\$ 2,373.75	\$ 2.85	\$ 3,006.75	\$ 4.00	\$ 4,220.00	\$ 3.00	\$ 3,165.00	\$ 9.25	\$ 9,758.75
4J	632	SIGNAL SUPPORT FOUNDATION	3	EACH	\$ 3,100.00	\$ 9,300.00	\$ 7,525.00	\$ 22,575.00	\$ 8,500.00	\$ 25,500.00	\$ 12,270.00	\$ 36,810.00	\$ 7,700.00	\$ 23,100.00
4K	632	PEDESTAL FOUNDATION	8	EACH	\$ 1,700.00	\$ 13,600.00	\$ 1,038.00	\$ 8,304.00	\$ 1,000.00	\$ 8,000.00	\$ 680.00	\$ 5,440.00	\$ 800.00	\$ 6,400.00
4L	632	LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG	2,680	FT	\$ 1.80	\$ 4,824.00	\$ 2.07	\$ 5,547.60	\$ 2.50	\$ 6,700.00	\$ 1.70	\$ 4,556.00	\$ 3.20	\$ 8,576.00
4M	632	POWER SERVICE, AS PER PLAN	2	EACH	\$ 2,000.00	\$ 4,000.00	\$ 2,580.00	\$ 5,160.00	\$ 2,500.00	\$ 5,000.00	\$ 2,250.00	\$ 4,500.00	\$ 3,550.00	\$ 7,100.00
4N	632	CONDUIT RISER, 2" DIAMETER	4	EACH	\$ 400.00	\$ 1,600.00	\$ 750.00	\$ 3,000.00	\$ 1,000.00	\$ 4,000.00	\$ 1,000.00	\$ 4,000.00	\$ 560.00	\$ 2,240.00
4O	632	SIGNAL SUPPORT, TYPE TC-12-31 DESIGN 10 POLE, WITH MAST ARMS TC-81-22 DESIGN 14 AND DESIGN 4, AS PER PLAN	1	EACH	\$ 15,000.00	\$ 15,000.00	\$ 31,032.00	\$ 31,032.00	\$ 32,500.00	\$ 32,500.00	\$ 32,930.00	\$ 32,930.00	\$ 33,500.00	\$ 33,500.00
4P	632	SIGNAL SUPPORT, TYPE TC-81-22 DESIGN 4, AS PER PLAN	1	EACH	\$ 6,700.00	\$ 6,700.00	\$ 12,750.00	\$ 12,750.00	\$ 13,500.00	\$ 13,500.00	\$ 14,400.00	\$ 14,400.00	\$ 12,000.00	\$ 12,000.00
4Q	632	SIGNAL SUPPORT, TYPE TC-81-22 DESIGN 14, AS PER PLAN	1	EACH	\$ 9,000.00	\$ 9,000.00	\$ 19,065.00	\$ 19,065.00	\$ 19,500.00	\$ 19,500.00	\$ 21,100.00	\$ 21,100.00	\$ 21,000.00	\$ 21,000.00
4R	632	PEDESTAL, 8", TRANSFORMER BASE, AS PER PLAN	7	EACH	\$ 1,000.00	\$ 7,000.00	\$ 1,055.00	\$ 7,385.00	\$ 1,000.00	\$ 7,000.00	\$ 775.00	\$ 5,425.00	\$ 525.00	\$ 3,675.00
4S	632	PEDESTAL, 10", TRANSFORMER BASE, AS PER PLAN	1	EACH	\$ 1,300.00	\$ 1,300.00	\$ 1,115.00	\$ 1,115.00	\$ 1,250.00	\$ 1,250.00	\$ 875.00	\$ 875.00	\$ 880.00	\$ 880.00
4T	632	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	2	EACH	\$ 4,000.00	\$ 8,000.00	\$ 5,490.00	\$ 10,980.00	\$ 2,500.00	\$ 5,000.00	\$ 2,500.00	\$ 5,000.00	\$ 5,100.00	\$ 10,200.00
4U	632	SIGNALIZATION, MISC: FOUNDATION TEST HOLE	2	EACH	\$ 600.00	\$ 1,200.00	\$ 360.00	\$ 720.00	\$ 1,000.00	\$ 2,000.00	\$ 325.00	\$ 650.00	\$ 1,000.00	\$ 2,000.00
4V	632	SIGNALIZATION, MISC: SCHOOL FLASHERS	1	EACH	\$ 7,500.00	\$ 7,500.00	\$ 1,865.00	\$ 1,865.00	\$ 3,000.00	\$ 3,000.00	\$ 750.00	\$ 750.00	\$ 3,550.00	\$ 3,550.00
5A	633	CABINET FOUNDATION, AS PER PLAN	2	EACH	\$ 1,700.00	\$ 3,400.00	\$ 3,730.00	\$ 7,460.00	\$ 2,000.00	\$ 4,000.00	\$ 1,485.00	\$ 2,970.00	\$ 5,000.00	\$ 10,000.00
5B	633	CONTROLLER WORK PAD	2	EACH	\$ 1,000.00	\$ 2,000.00	\$ 280.00	\$ 560.00	\$ 1,200.00	\$ 2,400.00	\$ 300.00	\$ 600.00	\$ 460.00	\$ 920.00
5C	633	PREEMPTION, AS PER PLAN	2	EACH	\$ 2,800.00	\$ 5,600.00	\$ 800.00	\$ 1,600.00	\$ 1,000.00	\$ 2,000.00	\$ 1,200.00	\$ 2,400.00	\$ 1,300.00	\$ 2,600.00
5D	633	PREEMPTION RECEIVING UNIT, AS PER PLAN	5	EACH	\$ 850.00	\$ 4,250.00	\$ 830.00	\$ 4,150.00	\$ 1,000.00	\$ 5,000.00	\$ 635.00	\$ 3,175.00	\$ 1,300.00	\$ 6,500.00
5E	633	PREEMPTION DETECTOR CABLE, AS PER PLAN	1,640	FT	\$ 1.70	\$ 2,788.00	\$ 1.85	\$ 3,034.00	\$ 2.00	\$ 3,280.00	\$ 1.50	\$ 2,460.00	\$ 1.00	\$ 1,640.00
5F	633	PREEMPTION PHASE SELECTOR, AS PER PLAN	2	EACH	\$ 4,500.00	\$ 9,000.00	\$ 3,900.00	\$ 7,800.00	\$ 4,000.00	\$ 8,000.00	\$ 4,850.00	\$ 9,700.00	\$ 4,800.00	\$ 9,600.00
5G	633	PREEMPTION CONFIRMATION LIGHT, AS PER PLAN	8	EACH	\$ 500.00	\$ 4,000.00	\$ 650.00	\$ 5,200.00	\$ 450.00	\$ 3,600.00	\$ 420.00	\$ 3,360.00	\$ 450.00	\$ 3,600.00
5H	633	COMMUNICATIONS, AS PER PLAN	2	EACH	\$ 12,000.00	\$ 24,000.00	\$ 1,545.00	\$ 3,090.00	\$ 2,000.00	\$ 4,000.00	\$ 2,088.00	\$ 4,176.00	\$ 3,300.00	\$ 6,600.00
5I	633	UNINTERRUPTIBLE POWER SUPPLY, (UPS), 1000 WATT, AS PER PLAN	2	EACH	\$ 5,500.00	\$ 11,000.00	\$ 5,895.00	\$ 11,790.00	\$ 6,000.00	\$ 12,000.00	\$ 5,850.00	\$ 11,700.00	\$ 6,500.00	\$ 13,000.00
5J	633	CONTROLLER ITEM, MISC: EAGLE EPAC, TS-2, TYPE 2, M80 CONTROLLER (OR COBALT/CONOLITE EQUIVALENT) AND CABINET	2	EACH	\$ 20,000.00	\$ 40,000.00	\$ 18,005.00	\$ 36,010.00	\$ 18,000.00	\$ 36,000.00	\$ 18,450.00	\$ 36,900.00	\$ 20,500.00	\$ 41,000.00
6	816	VIDEO DETECTION SYSTEM, AS PER PLAN	2	EACH	\$ 25,000.00	\$ 50,000.00	\$ 19,150.00	\$ 38,300.00	\$ 21,500.00	\$ 43,000.00	\$ 20,175.00	\$ 40,350.00	\$ 13,000.00	\$ 26,000.00
7	103	PREMIUM FOR CONTRACT BONDS	1	EACH	\$ 2,796.75	\$ 2,796.75	\$ 6,454.90	\$ 6,454.90	\$ 4,256.00	\$ 4,256.00	\$ 2,220.00	\$ 2,220.00	\$ 5,000.00	\$ 5,000.00
8	614	MAINTAINING TRAFFIC	1	EACH	\$ 7,000.00	\$ 7,000.00	\$ 2,880.00	\$ 2,880.00	\$ 15,000.00	\$ 15,000.00	\$ 5,080.00	\$ 5,080.00	\$ 28,000.00	\$ 28,000.00
9	624	MOBILIZATION	1	EACH	\$ 7,000.00	\$ 7,000.00	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	\$ 20,000.00	\$ 20,000.00
10	SPECIAL	PRE-CONSTRUCTION DOCUMENTATION	1	EACH	\$ 600.00	\$ 600.00	\$ 650.00	\$ 650.00	\$ 500.00	\$ 500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,250.00	\$ 1,250.00
GRAND TOTAL						\$ 415,000.00		\$ 435,575.00		\$ 456,282.75		\$ 472,557.50		\$ 488,963.53

Bond Yes Bond Yes Bond Yes Bond Yes
 Sube List Yes Sube List Yes Sube List Yes Sube List Yes
 ORC 3517.13 Yes ORC 3517.13 Yes ORC 3517.13 Yes ORC 3517.13 Yes